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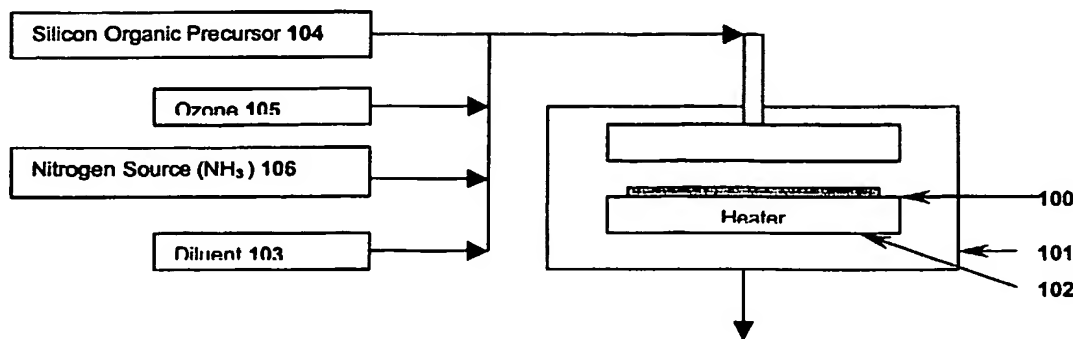
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ning of each regular issue of the PCT Gazette.*

(54) Title: LOW TEMPERATURE DEPOSITION OF SILICON OXIDES AND OXYNITRIDES



(57) Abstract: The present invention relates to low temperature (i.e., less than about 450 °C) chemical vapor deposition (CVD) and low temperature atomic layer deposition (ALD) processes for forming silicon oxide and/or silicon oxynitride derived from silicon organic precursors and ozone. The processes of the invention provide good step coverage. The invention can be utilized to deposit both high-k and low-k dielectrics.

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# INTERNATIONAL SEARCH REPORT

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PCT/US03/26083

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H01L 21/31

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## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
NONE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P — Y,P	US 2003/0040196 A1 (LIM ET AL.) 27 February 2003 (27.02.2003), [0056]-[0065], [0086], [0091], FIGS. 1, 2.	1-2, 4-8, 10-14, 16-18, 20-23, 25-27 ----- 3, 9, 15, 19, 24 1-3, 6-12 ----- 4-5, 13-27
X — Y	US 6,030,900 A (GRASSL ET AL.) 29 February 2000 (29.02.2000), ABSTRACT, COL. 2 - COL. 4.	

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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